



The

GARzette

The Official Newsletter of the Gwinnett Amateur Radio Society
April 2017 <http://www.gars.org/> Volume 26, Issue 4



First Look: HF All Band + 50 MHz Smart Transceiver - ICOM IC-795i

IC-795i



AKA "WristRig" or "i ICOM": You Decide!

Message from the President

GARS Members,

If you just got your ham license, don't despair conditions aren't always like this. Sometimes, they're worse! A solid month without sunspots and a strong solar wind haven't made for comfortable listening on the bands. So, when band conditions don't favor operating, it's time to work on the antenna.

My QRP friends swear by the W3EDP antenna. They go out in the woods or to the top of a summit and throw one end of this thing into a tree and start CQing all day. Some have even made a contact!

I Googled the antenna and found a web site that described the antenna. Unfortunately, some of it was in Russian and the dimensions were in meters. However, I didn't let those minor inconveniences slow me down.



"I Googled the antenna and found a web site that described the antenna. Unfortunately, some of it was in Russian and the dimensions were in meters... I didn't let those minor inconveniences slow me down."

jump off the end of the element with tremendous force! Giving the beam gain!

We can use this principle to our advantage. The wire at the coax feed point needs to be at least #6 and then out about 10 feet (or meters if you prefer) drop down to #10 and after another 10 feet down to #12 and so on until you taper down to about a #22 enameled wire. It's probably important to use insulated wire as tremendous forces are bound to build up and the insulation will keep the electrons from getting thrown off broadside. I have-

n't modeled this thing in EZnec but I'm sure there must be 5 db(i) gain in some direction.

I'm still scrounging wire from the scrap box but I'll let you know how it plays at the GA QSO party on the 8th and 9th at the EAA hangar!

Next month I'll talk about incorporating a flux capacitor in the output of your Astron 30 power supply. I'm optimistic we should be able to run a KW with no problems!

As a reward for reading this, you may have an extra raffle ticket at the club meeting. Just tell the person handing out tickets the value of a **single** resistor that could replace **two 146 ohm** resistors in parallel.

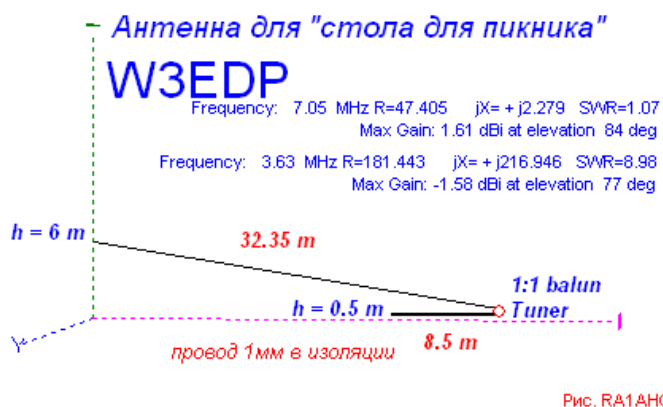
Best April regards,

Mike Weathers, ND4V

"It is not the class of license the Amateur holds, but the class of the Amateur that holds the license."

Author Unknown]

In fact, I've come up with a few suggestions to improve on the antenna. First, have you ever noticed that lots of beams use tubular aluminum that gets smaller and smaller as you move out from the boom? I think it's because the electrons get compressed as the aluminum gets smaller and they



GARS April Meeting

Battle Bots - Team Bombshell

by Randall Farmer, N4FET

— *Alternate Speaker:* —

PJ2T DXpedition

by Mike ND4V, Norm WA4ZXV, Ralph KJ4CNC, and Paul W4KLY

Tuesday, April 11, 2017

7:00 pm

Sports Aviation Complex—Hangar 1

690 Airport Road

Lawrenceville, GA 30045

[Directions](#)

NEED TO UPDATE INSIDE

Member QRZ Pages Pg 4

GARS Happenings..... Pg 5

First Look: ICON IC-795i..... Pg 7

Beginner's Corner..... Pg 8

GARS Communications

2 Meter Repeater

147.075(+) MHz

82.5 PL Tone

APRS

144.390 -- 1200 Baud

W4GR

D-Star

WD4STR

145.060 + (1.4 MHz)

440.550 + (5 MHz)

2 Meter Repeater

147.255(+) MHz

107.2 PL Tone

6 Meter Repeater

53.110 (-1 MHz)

No PL tone

70 Cm Repeaters

444.525(+) MHz

82.5 PL Tone

442.100(+)

100 PL Tone

**Don't forget
to support our
advertisers at the
back of the
GARzette.**

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the Amateur Radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by e-mail to editor@gars.org. Artwork can be accepted in most any graphics format and can be submitted via e-mail to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the Amateur Radio spirit, permission is hereby granted for the reproduction of The *GARzette* articles by other Amateur Radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

The *GARzette* is published each month with the assistance of Norm Schklar, WA4ZXV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 28th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: editor@gars.org

Bill Eggers—WB2RIS 470-238-9603



Member QRZ Pages

For a few months we will be featuring the QRZ page of various members of GARS.

This month we are featuring the QRZ page of :

KA4KKF - David Adcock

When you click on the link below you will find this picture.

<http://qrz.com/lookup/KA4KKF>

Read the notes and get to know him better. You'll be glad you did.

Here is an excerpt from the page:

I like all facets of the hobby. I've done VHF-UHF contesting, field days, some SSTV, packet, satellites. I have tried RTTY but never really got into it very heavy. The home station consist of a Kenwood TS-570G and a Icom 706MKIIG for HF. I use a Icom 207, Yaesu FT-1500, FT-8800, VX-5R, FT-470 for local VHF, UHF work. Kit building is very fun. I've built several QRP kits and transverters. I am part of the local ARES team and keep things ready to go when called out.



Watch for another featured GARS member QRZ page in next month's GARzette!

News, Press Releases, & General Interest

GARS Activities April 8-9, 2017 at EAA 690 Hanger

We will have 4 HF stations - 40m, 20/75m Phone; 40m, 20/80m CW. On Saturday, we will begin setup starting at 9:30AM. The GQP starts at 2:00PM and continues until Mid-night (12:00AM). We will probably stop around 9:00PM. On Sunday, we will return at 9:30AM. The GQP starts at 10:00AM and continues until 8:00PM, but we will probably wrap up around 4:00PM.

Our goals:

- * Four stations on the air on Saturday and Sunday from the EAA 690 Hangar
- * Give as many members and friends as possible an opportunity to get on the air
- * Have a good time!

Digital Workshop - Saturday 2:00PM to 6:00PM

If you are interested in digital modes or have been frustrated getting your rig configured for digital, join us at the Georgia QSO Party for a hands on digital modes workshop. Larry Whited AB4NX ADEC and Bill Hawkins WR1TR from GA ARES MAT will be demonstrating and assisting you to set up and troubleshoot digital modes.

Modes covered will be: Fldigi, D-Rats, Winlink and more. Bring your radio and computer for an informal workshop and let's see if we can get you working comfortably with the digital modes that we will need in a deployment.

We especially encourage local Metro Area ARES members to take advantage of this opportunity. Participation is not limited to ARES members. For more information go to <http://www.georgiaqsoparty.org/>



GARS Happenings

We had an excellent HamCram exam session on Saturday, March 25th. 10 out of 13 applicants passed.

HamCram exam session results: 10 new Technicians

Thanks to the VE's who made this exam session possible:

John Davis, WB4QDX

Chuck McCord, KK4TKJ (Co-CVE)

Nick Doemland, AB4CQ

Donna McCord, KM4FMW

Ralph Pickwick, KJ4CNC

Frank Haynes, KV4SP

Rick Cobb, N4XYX

Pam Meridy, WB1AKQ

Sid Weaver, N4NQ (Co-CVE)

Don Bagby, KK4NJM (Co-CVE)

Thanks & 73, *Dave Bruse*, W4DTR (CVE)

GARS members participated in the Atlanta Science Festival on March 25 at Centennial Olympic Park. Approximately 5000 people were in attendance. Hundreds came to our table. A good time was had by all.

73, *Norm* WA4ZXV



GARS Happenings (Cont'd)

Several GARS members recently attended Community Emergency Response Team (CERT) training offered by Gwinnett County. After 5 classroom sessions in March, The students participated in a drill on Saturday, April 1. They applied what they learned in class to remove victims from a simulated storm damaged house and treat their simulated injuries.

Students alternated between playing victims and CERT members. Injuries, ranging from bruises to bone fractures, were simulated using moulage. Everyone had fun and learned from their mistakes. If you are interested in this training, check out <https://www.gwinnettcounty.com/portal/gwinnett/Departments/Police/EmergencyManagement/VolunteerandTraining/CERT>

73, *Bill* WB2RIS



First Look - ICOM IC-795i Smart Transceiver

Our intrepid GARzette investigative team has uncovered evidence of the next generation must-have ham gadget. This was found on a hidden web page on a Japanese ICOM website. We've been told everything on the Internet is true, so we shall place our blind trust in Google Translate, and show you our first impressions of ICOM's latest innovation.

Behold, the IC-795i!

Coming soon to your local HRO (???)

Features

Of course, it has a waterfall function, the latest rage in HF rigs, regardless of size. The 795i's touchscreen and multi function side button allows effortless tuning, mode changes and filter selection. If you squint your eyes just right, you can actually tell if you are transmitting LSB or USB. We don't foresee any ergonomic disadvantages with this interface...

The latest wireless technology eliminates the need for that annoying coax cable. The benefits are obvious when coax isn't hitting you on the side of the head during your mobile activation. All you need to figure out is how to carry and aim an 11 element Yagi beam strapped to your backpack.



Accessories

No amateur radio purchase would be complete without the usual choice of accessories:

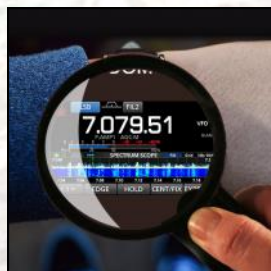
For the serious DXer, the IC-PW1 is 100% compatible with the IC-795i and provides 1KW output. At a mere 61 pounds, and available in your choice of 5 colors, it's the must-have item for your long hiking trip.



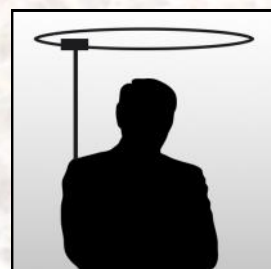
The HM-96100K speaker mic combo combines a nostalgic theme with 18 karat gold plating throughout (including the cord). Now that's quality you don't find in the average ham shack!



The LD-64 external monitor provides improved readability and is highly recommended. This accessory has also proven useful in burning ants you may encounter during your DXpedition.



For extended portable operation, an alternative to an 11 element beam antenna is the AH-1059 loop antenna. Of course, it has an auto antenna tuner built in. The innovative orientation of this loop antenna is optimized for NVIS operation, and provides an angelic aura to your portable operation. (Not recommended when using IC-PW1)



73 and 04/01, *Bill*, WB2RIS

Sources:

<http://www.icom.co.jp/fb/170401>, [Google Translate](#) And "Extra Class" artistic license

Beginner's Corner

Power Your Radio When the Power Goes Out

As I write this we are having a severe thunderstorm. All the meteorologists are predicting the possibility of power outages. I am a member of Gwinnett ARES and Skywarn (You are a member, too, right?) and I need to be in contact on our two meter net at 147.075 to send and receive warnings.

What happens if we do lose power? If your HT (handy talkie) is fully charged, it will likely run for hours. During an extended power outage at your house, what would you do to communicate? There are several ways that you could power your radio for an extended period.

1. Get a replacement battery for your HT. If your HT is a recent model, there should be no problem ordering a replacement battery. Remember to keep it charged! If you have an older HT, you may be out of luck.
2. Purchase a "cigarette lighter adapter", more recently called a power adapter for your HT. With this you can use your vehicle battery to keep your HT on the air. HTs transmit from four to eight watts, not enough to be a major drain on your vehicle battery for a long time.
3. Purchase a deep cycle battery. When using a mobile or base station, you will need a larger battery, perhaps rated at 35 amp hours or larger. Home improvement and some sports stores sell small batteries for about \$20.00. An 8 amp hour battery will last a long time when powering an HT. Be certain it is rated at 12 volts DC. You will have to do some research on how to recharge it. (Don't let the voltage drop below 10.5 volts!) You should be able to trickle charge it with a special trickle charger. I got one for about \$5.00.

How do I hook the battery to my HT?

You can purchase a battery clip power adapter. I picked one up at an auto store (see picture) for under \$5.00.

4. Solar power might be an option for some. This is the only way the author knows of that will power a radio for weeks on end. After an initial investment in a system, the electricity is free! I have heard of amateur radio stations that operate completely on solar power! You will have to get a system that is rated for 12 volts at whatever power your rig(s) need. A complete system consists of a solar panel, controller, and a deep cycle battery.



Battery Clip Power Adapter

This article is just a primer on alternate power for your rig. Hopefully it is enough to whet your appetite. Having several sources of power for your radio is not only a good idea, it could save lives.

73 de *David Harden*, KJ4CMY

Net Managers Corner

Monday Night 2 Meter “Want, Swap, Sell, and Information Net”

GARS NEEDS MEMBERS TO SERVE AS NET CONTROL STATIONS!

GARS is a great Amateur Radio service club and we have the membership and awards to prove it. Our club is a very busy and active club and we use the Monday night net to get the information out to our members. Weekly participation is needed to make our net function well. There is only a small group of very dedicated people that make the net happen each week, and we need more members to volunteer to serve as Net Control Stations (NCS) on a rotating basis.

Out of almost 300 members, there are only fifteen primary people who serve as NCS for the GARS net every Monday night. In no particular order, they are:

Norm - WA4ZXV	Kyle - W4KDA	Mitch - N0DIM
Ruth - KM4LAO	Hal - W4IGE	Don - KW4AL
Ray - N4GYN	Sandy - KJ4DRO	John - WB4QDX
Bill - KK4AUA	David - KK4KAF	Kevin - KK4WOG
Chuck - KK4TKJ	Mike - KK4KHS	Donna - KM4FMW

As GARS Net Manager (Chuck KK4TKJ), I really need 26 people to fill NCS positions. I do plan and post the schedule months in advance. Any conditions will be accommodated that you as a rotating NCS need to place on the scheduling of your duties. If your plans change, I can make adjustments for the schedule to work, and I will make those changes happen as soon as I am notified of a problem. As Net Manager, I also send out reminders each week to let the NCS scheduled know he or she is NCS for the next Monday night net. In short, serving as a rotating NCS is a small duty but a great contribution to the club. The “Want, Swap, Sell Information Net” begins promptly at 19:30 every Monday night and runs about 45 minutes. As a scheduled NCS, you will request the assistance of a volunteer alternate NCS each time you have Net Control. Your simple duties will be to tune in to the GARS repeater, read the script, take a few notes and forward the information to me for record keeping.

Please lend a hand and contact me at KK4TKJ@arrl.net. Sign up to help support the effort that makes GARS the great club that it is.

73 and see you on the Nets!

Chuck McCord, KK4TKJ

GARS Net Manager



Don't miss the “KNOW IT ALL” Net Wednesday nights, 8:30-9:30 pm



We have moved to a new format. We begin with current events and announcements. Then we Introduce New Technology. Then we have check-ins and general discussion. Post net is Rag Chew format.

Jeff—AB4HF

Everyone is having great fun on this net! Come join us and become a “KNOW IT ALL”.

TIME: 8:30 every Wednesday evening on the GARS repeater - 2m 147.075 + PL 82.5

GARS Membership Page

New GARS Members in March

Antonio Perry (KN4AXM)
Christopher Young (KN4BVM)

New Members: 2

Total Members as of April 1, 2017
285

**Join us for our weekly
breakfast gathering at
7:30 AM most Saturdays**

at

Golden Corral
2155 Riverside Parkway
Lawrenceville, GA 30043

([Directions](#))

**The following members are
celebrating birthdays
in April:**

HAPPY BIRTHDAY!!
From All of Us at GARS

Christopher Bagby (KM4BOP)
James Boyd (KJ4YN)
Paul Branson (KA4YZR)
Doris Brown
Charles Burts (K4CHB)
David Carmichael (KM4GBI)
Mark Case (K5MTC)
Scott Deitchman (WB8ICQ)
Leland Ford (K9SDR)
Dozier Griffith (WA4DEO)
Cal Ludwick (KM4VDA)
Stan McDonald (KI4H)
James McGinty (W4BGT)
Michael Parrott (N4MEP)
Gemarl Perry
Steven Wisenburg (KM4CVU)



GARS MEMBERSHIP

Your current GARS membership status is shown in the monthly newsletter e-mail towards the bottom of the message.

To become a GARS member, or to renew your GARS membership, please visit our website—<http://www.gars.org>

To make changes to your GARS membership (moved, new e-mail address, new phone number, etc.), please e-mail the Membership Committee - membership@gars.org

You can **renew or update** your Amateur Radio license information with the FCC at their website for free <http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

Membership Chair: Karen Albritton, KI4HPP
Committee Members: Dave Bruse, W4DTR, Pam Meridy, WB1AKQ

ARRL CONTESTING INFO

From ARRL Contest Calendar

> **NOTE:** For more information click the links <

April 2017

16 [Rookie Roundup - SSB](#)

June 2017

10-12 [June VHF QSO Party](#)

18 [Kid's Day](#)

24-25 [Field Day](#)

July 2017

8-9 [IARU HF World Championship](#)

August 2017

5-6 [222 MHz and Up Distance Contest](#)

19-20 [10 GHz and Up - Round 1](#)

20 [Rookie Roundup - RTTY](#)

September 2017

9-10 [EME - 2.3 GHz and Up](#)

9-11 [September VHF QSO Party](#)

16-17 [10 GHz and Up - Round 2](#)

October 2017

7-8 [EME - 50 to 1296 MHz](#)

16-20 [School Club Roundup](#)

November 2017

4-5 [EME - 50 to 1296 MHz](#)

4-6 [Nov. Sweepstakes - CW](#)

18-20 [Nov. Sweepstakes - Phone](#)

December 2017

1-3 [160 Meter](#)

9-10 [10 Meter](#)

17 [Rookie Roundup-CW](#)

2018

January 2018

1 [Straight Key Night](#)

6 [Kid's Day](#)

6-7 [RTTY Roundup](#)

17 [January VHF Sweepstakes](#)

For more information:

<http://www.arrl.org/contest-calendar>

HAMFEST CALENDAR

05/19/2017 | [2017 Dayton Hamvention](#)

Location: Xenia, OH

Type: non-ARRL Hamfest

Sponsor: Dayton Amateur Radio Association

Website: <http://www.hamvention.org>

Southeast US

04/22/2017 | [Calhoun Hamfest](#)

Location: Sugar Valley , GA

Type: ARRL Hamfest

Sponsor: Cherokee Capital Amateur Radio Society

Website: <http://k4woc.com>

04/29/2017 | [CARS Swapmeet Hamfest](#)

Location: Pooler, GA

Type: ARRL Hamfest

Sponsor: Coastal Amateur Radio Society

Website: http://coastalamateurradiosociety.net/wpW4LHSblog/?page_id=559

06/03/2017 | [Georgia Section Convention \(Atlanta Hamfestival\)](#)

Location: Marietta, GA

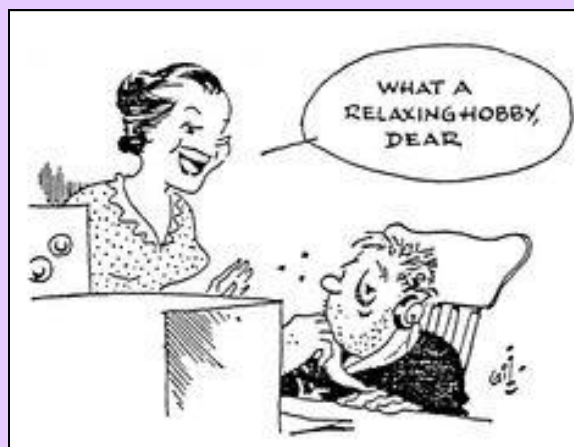
Type: ARRL Convention

Sponsor: Atlanta Radio Club (W4DOC) & Kennehoochee Amateur Radio Club (W4BTI)

Website: <http://atlantahamfest.com>

For more information:

<http://www.arrl.org/hamfests-and-conventions-calendar>





BSA Venture Crew 73 Wants You!

Venture Crew 73 is for you.

If you are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology

- Venture Crews are part of the Boy Scouts of America.
- *Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.*
- Venture crew 73 is coed.
- *Meetings are on the second Tuesday of the month, 7:00 pm, at EAA 690 Hangar at:
Briscoe Field - Sports Aviation Complex
Hangar 1, 690 Airport Road
Lawrenceville, GA 30045*
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

We enjoy:

- ◊ *Camping*
- ◊ *Hiking*
- ◊ *Horseback Riding*
- ◊ *Shooting Sports*

- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

Steve Back, WB2OGY

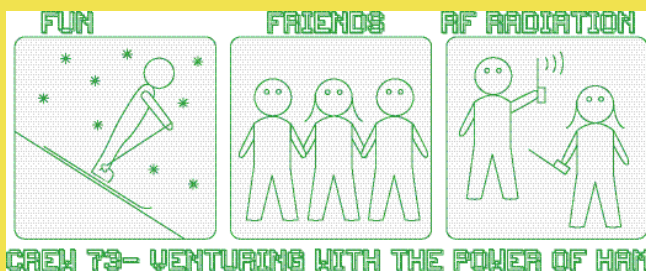
Venture Crew 73 Committee Chairman
Phone: 770-712-9069

E-mail: committeechair@venturecrew73.org

Kevin McClure, KF4HFN

Venture Crew 73 Advisor
Phone: 706 318 2519

Email: advisor@venturecrew73.org



GARS Officers and Committee Chairs

Mike Weathers, President	ND4V	
Rick Cobb, Vice President	N4XYY	
Leland Ford, Secretary	K9SDR	
Sid Weaver, Treasurer	N4NQ	
Paul Kelley, Program Manager	W4KLY	
Karen Albritton Membership Chair	KI4HPP	
Dave Bruse, VE Team Leader	W4DTR	
David Adcock, Webmaster and Field Day Chair	KA4KKF	
Dorothy Jubon, Public Information Officer	N2DLJ	
Ralph Pickwick TechFest Chair, Apparel Mgr, Education Chair	KJ4CNC	
Bill Eggers, GARzette Editor	WB2RIS	
Bill Cherepy, W4GR Trustee	WB4WTN	
Eddie Foust, Repeater Chair	WD4JEM	
Mike Weathers, WAS-Checker and Historian	ND4V	
Chuck McCord, Net Manager	KK4TKJ	
Mike Swiderski, Technical Advisor	K4HBI	
Mitch Matteau Winter Field Day	N0DIM	
Pam Meridy GA QSO Party and VHF Contest Chair	WB1AKQ	
(Vacant) Multimedia Chair		

DIRECTORS

Kyle Albritton	W4KDA	
David Adcock	KA4KKF	
Norm Schklar	WA4ZXV	

EXTRA! EXTRA!

May Meeting

Repeater Systems By David Adcock, KA4KKF

Repeater Status

147.075 operational in Snellville
147.255 operation in Snellville
444.525 operational in Snellville
Link remote receivers being added
442.100 operational at Goshen Springs
145.590 operational at Bogan Road
6M currently down



L&M Mobility
Robert (Mike) Smith
5191 La Paloma Dr.
Lilburn, GA 30047
Phone (404)-509-3104
Smithrm70@hotmail.com

SERVICE & REPAIR
Power Chairs • Lift Chairs • Scooters

GARS Recurring Calendar

- ◆ Monthly club meeting is the 2nd Tuesday of the month at 7 pm
- ◆ Every Monday at 7:30 pm: GARS Want, Swap, Sell, and Information Net +
8:30 pm: ARES Training on the GARS 147.075 MHz repeater
- ◆ Every Wednesday at 8:30 pm: GARS Know It All Net on the GARS 147.075 MHz repeater
- ◆ Every Saturday at 7:30 am: GARS Weekly Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville
- ◆ Second Sunday at 2:00 pm: GARS Ham Exam Session, Fire Station #24
2735 Mall of Georgia Blvd
Buford, GA 30519

MARCH MEETING MINUTES

President Mike Weathers, ND4V called the meeting to order at 7:00pm.

First time visitors were welcomed and roundtable introductions were made. Ticket upgrades were recognized. Attendance: 65

General Business

Sid, N4NQ, gave the treasure's report. Voting took place and the treasure's report was approved. Karen, KI4HPP, gave the membership report: GARS has 290 members.

Paul Kelley, W4KLY, Program Manager announced that the program tonight will be Jim Reed, N4BFR, presenting "Raspberry Pi in Your Ham Shack"

Future Programs

- **April 11th** - Randall Farmer, N4FET "Battle Bots - Team Bombshell" had been scheduled but as of yet has not been confirmed. If not confirmed, the program for next month will be Mike ND4V, Norm WA4ZXV, Ralph KJ4CNC, and Paul W4KLY reporting on their recent trip to the island of Curaçao as members of the PJ2T team for the ARRL Phone International DX Contest.

Event Recaps & General Updates

New officers and membership chairmen for the year were announced and attendees were encouraged to get to know them. Executive Board meets one week prior to the general meeting usually at Firestation 5. Members are welcome to attend. Contact Mike, ND4V for details.

2017 Officer Election

- President – Mike Weathers, ND4V
- Vice President – Rick Cobb, N4XYX
- Treasurer – Sid Weaver, N4NQ
- Secretary – Leland Ford, K9SDR
- Program Manager – Paul Kelley, W4KLY

Advisory Board

- Kyle Albritton, W4KDA – Past President
- Norm Schklar, WA4ZXV – Publicity
- Hal Collier, W4IGE – ARES Liaison
- Bill Cherepy, WB4WTN – Callsign Trustee
- David Adcock, KA4KKF – Webmaster, Repeater Engineering

Committee Chairmen

- Bill Eggers, WB2RIS – Newsletter Editor
- Ralph Pickwick, KJ4CNC – GARS Apparel, Education
- Dave Bruse, W4DTR – VE Team Chair
- Mike Swiderski, K4HBI – RFI Advisor
- Eddie Foust, WD4JEM – Repeater Chair
- Karen Albritton, KI4HPP – Membership Chair
- Chuck McCord, KK4TKJ – Net Manager

Also of note, Ruth Willet, KM4LAO will be the keynote speaker at Southwestern DX Dinner at Dayton this year. She will be presenting "Experiencing the Hobby of a Lifetime".

(Continued on page 14)

EXTRA! EXTRA!

GARS Calendar of Events for 2017

- GARS Breakfast - Every Saturday morning
- GARS Ham Exam Session - 2nd Sunday every month
- Tech HamCrams March, October
- TechFest January 14
- Winter Field Day January 28 & 29
- Georgia QSO Party April 8 & 9
- North metro area Fox Hunt April
- May Madness May
- Satellites in the Park TBA
- Memorial Day Parade May 29
- General HamCram Summer
- ARC/KARC Hamfest June 3 (1st Saturday)
- Field Day June 24 & 25
- Maker Faire TBA
- Sept VHF/UHF Contest September 9
- Stone Mt. Hamfest TBA
- JOTA - 3rd Weekend of ... October
- Christmas Party TBA

(Continued from page 13)

If you ordered a tumbler, pick it up from Ralph, KJ4CNC.

Upcoming Events (for additional details go to www.GARS.org)

Element 2 Technician HamCram

Date: March 25th Location: 800 Hi Hope Road

Time: 8:00am – 5:00pm, Cost: \$20.00 (license fee & lunch)

Atlanta Science Festival

Date: March 25th Location: Atlanta Centennial Park

3 volunteers needed, contact Norm WA4ZXV@arrl.net

Georgia QSO Party

Date: April 8 - 9th Location: EAA 690 Hangar, 2 - 8pm (setup at 11am)

Plan to operate 4 stations (20, 40 Voice, Digital, 80 CW)

Ford Trimotor

Date: April 29th. More information to come.

Dacula Memorial Day Parade

Date: May 29th

This is a half day event. Only your HT is required to help out. Signup online on the GARS website. Earn a GARS cap for coming out to help.

Program

Mike, ND4V welcomed Jim Reed, N4BFR to GARS. Jim presented the program "Raspberry Pi in Your Ham Shack".

Meeting concluded at 8:58 pm.

73, *Leland*, K9SDR, Secretary

GARS CALENDAR OF EVENTS FOR APRIL 2017

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			8:30 - 9:30 pm GARS Know-It-All Net	Did you forget APRIL FOOL's DAY???		1 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
2	3 7:30 - 8:00 pm GARS 2m Net	4	5 8:30 - 9:30 pm GARS Know-It-All Net	6	7 	8 Breakfast at Golden Corral GA QSO Party EAA Hangar
9 GARS VE Team Testing Session GA QSO Party EAA Hangar	10 7:30 - 8:00 pm GARS 2m Net	11 5:00 - 6:30 pm Dinner at Flying Machine 7:00 - 9:00 pm GARS Meeting	12 8:30 - 9:30 pm GARS Know-It-All Net	13	14	15 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
16	17 7:30 - 8:00 pm GARS 2m Net	18	19 8:30 - 9:30 pm GARS Know-It-All Net	20	21	22 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
23/30	24 7:30 - 8:00 pm GARS 2m Net	25	26 8:30 - 9:30 pm GARS Know-It-All Net	27	28	29 Breakfast Ford Tri-Motor Special Event Station at LZU

Metro Testing Sessions

GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at <http://www.arrl-ga.org>.

First Sunday, ODD Months

2 pm (Jan, Mar, May, Jul, Sep, & Nov)
VEC: WCARS
Braselton Public Utility Building
4986 Highway 53, Braselton, GA
Roger Gibson, WB4T
(770) 271-4210 or (770) 712-9560
w4rlg@bellsouth.net

First Sunday, EVEN Months

2 pm (Feb, Apr, Jun, Aug, Oct, Dec)
VEC: WCARS
Hall County EOC
470 Crescent Dr. Gainesville, Ga.
Perry Roper, KO4RD
(770) 536-3056

Second Saturday

10:00 AM
Alpharetta North Park, Adult Activities Center
13450 Cogburn Rd, Alpharetta, GA 30004
Ian Kahn, KM4IK
E-mail: km4ik.ian@gmail.com

Second Saturday, ODD Months

VEC: ARRL
8:30 a.m.
GMC Community Ctr
5325 Leon St.
Stone Mountain, GA
Frank Haynes, KV4SP
(678) 467-3712

Second Sunday

VEC: W5YI
2 pm
Fire Station #24
Mall of Georgia Boulevard
Buford, GA 30519
Contact: Dave Bruse, W4DTR
E-mail: exams@gars.org

Third Saturday

VEC: W5YI
2 pm @ Barrow Co. Emerg. Serv. Bldg
66 McElroy Street
Winder, GA 30680
Steve Donellan, N5SMD
(404) 520-0368
E-mail: n5smd@comcast.net

(cont. next column)

Ham Exam Results

March Results

We had another good test session March 12. Ten applicants tested and all ten passed exams as follows:

- Five new Technician class
- One new General class (passed Tech and General exams)
- Two upgraded to General class
- Two upgraded to Extra class.

Many thanks to the following VE's who made this session possible:

Steve Back, WB2OGY
Dave Bruse, W4DTR (CVE)
Ralph Pickwick, KJ4CNC
Sid Weaver, N4NQ (Co-CVE)
Bill Cherepy, WB4WTN
Frank Haynes, KV4SP

73,

Don Bagby, KK4NJM (Co-CVE)

GARS VE Team Leader

E-mail: exams@gars.org

GARS VE Website:

http://groups.yahoo.com/group/GARS_VE_Team/

Fourth Tuesday

ARRL VEC
7 pm @ United Way Service Center
6279 Fairburn Rd., Douglasville
Jessie Clower, KB4WFK
(770) 942-6466

Fourth Sunday

2:30 pm Georgia Tech
VanLeer Elec. Building
Rm. W218, 777 Atlantic Dr.
For more information go to www.w4aql.com and click on "Test Sessions"

Metro Club Meetings

First Tuesday

Kennehoochee ARC
Downtown Marietta
Fire Station #1, Training Room
112 Haynes Street
Marietta, Georgia 30060
Meeting begins at 7:00pm
Talk In 146.880(-)

First Thursday

Atlanta Radio Club
Georgia Red Cross HQ
1955 Monroe Dr., Atlanta
Meeting is at 7:30pm
Talk In -146.820(-)

N.E. Georgia ARC
Commerce Public Library
1344 South Broad Street, Commerce
Meeting is at 6:30pm
Talk In - 147.225(+), PL 123.0

Second Monday

Georgia Tech ARC
Room W218
Van Leer Electrical Engineering Bldg.
Georgia Tech Campus
Meeting at 7:00pm

Second Thursday

Alford Memorial Radio Club
Annistown Road Baptist Church
Annistown Rd & Spain Rd
Stone Mountain
Dinner at 6:00pm, Meeting at 7:30pm
Talk In - 146.760(-)

Second Saturday

North GA QRP Club
Board Room of The Shepherd Center
2020 Peachtree Rd, NW, Atlanta
at 10:00 AM

Third Tuesday

North Fulton Amateur Radio League
Alpharetta Recreation & Parks Dept
Alpharetta Adult Activity Center
13450 Cogburn Road
Alpharetta, GA 30004
meeting at 7:30pm
Talk In - 145.47(-)

For more information, go to: <http://www.gars.org/>

Serving You From Coast to Coast and Around the World



**Order Toll-Free From a Location Near You
Or Take Advantage of Secure 24-Hour Ordering:**

<http://www.hamradio.com>



If your closest 800 number is busy, please call one of our other numbers.

Phone Hours: 9:30 am to 5:30 pm Monday – Saturday

All Stores Open 10am - 5:30pm Monday - Saturday

24-Hour FAX Order Lines at all Store Locations

Ham Radio Outlet App available at:



ATLANTA, GA 30340

6071 Buford Hwy, Doraville

1 mile north of I-285

(770) 263-0700

(800) 444-7927

24 Hour FAX (770) 263-9548

Email: atlanta@hamradio.com

Manager:

Mark KJ4VO

David AI4XL

Denise

Josh W4JDH

Jim N1ABM

James KK4WNX



Ken KI4BQS

Ray W4GQQ

Harold KD8DVY



**INTERBOROREFRIGERATION
HVAC/R**

Reparation & Maintenance

Luis Castellanos
owner

Address: 470 Bay lake pass,
Lawrenceville, GA 30046

Tel.: 610-816-8744
Email: el-piloto52@hotmail.com

Licensed by E.P.A.

Central A/C - Heater and Water Heater
All Commercial Refrigeration Systems
Ice Cream Freezer
All Jobs Guaranteed

30 years of Experience

Finally
A clog-free gutter
with no fine print.



The Real Gutter Protector
NO GLUE, NO OVERLAY, GUARANTEED

You'll never have to clean your gutters again. The Real Gutter Protector's Waterloov® System uses a patented design that slows water more effectively and draws water in more completely, with smaller openings that keep out more debris. <http://www.realgutterprotector.com>

Atlanta, Georgia - (770) 630-1582

Real Estate Broker

**Century 21
21 Results Realty**



SHARON ADCOCK

CRS, GRI, e-Pro,
Relocation Expert,
Associate Broker

www.SharonAdcock.com
2920 Ronald Reagan Blvd
Cumming, GA 30041



Not intended

Buying* Selling* Investing
For Any Real Estate
Matters

There has never been a
better time to invest in Real
Estate

**Inventory is LOW
It's a Seller's Market**

Sharon@
SharonAdcock.com
Cell: 404-428-9127
eFax 678-679-1383